

REASON

- **When TWGSS failures occur, the crew must be able to identify, troubleshoot, and correct the problem.**

TRAINING OBJECTIVE

- **Given an operational M1A2 tank with TWGSS installed and aligned, you will perform the following IAW TM 9-6920-709-12&P-1-2:**
 - **Discuss troubleshooting procedures**
 - **Perform BIT initialization and discuss failure information**
 - **Conduct troubleshooting**

GENERAL PROCEDURES

- **Perform troubleshooting IAW TM 9-6920-709-12&P-1-2, Chapters 3 and 4**
- **Verify all connections within TWGSS and between TWGSS and tank**
- **Check TWGSS for visible damage**
- **Replace components if needed**

SAFETY

- **No corrective action with vehicle master power switch in ON position**

WARNING

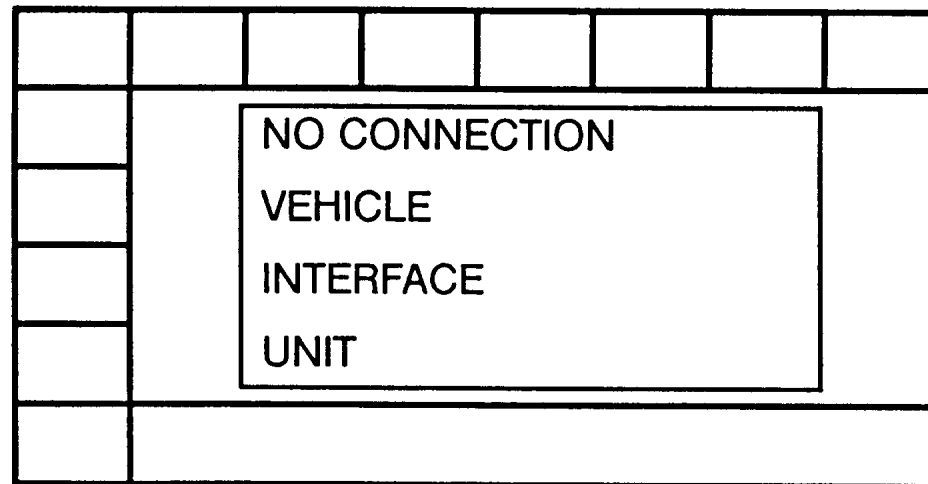
Perform all corrective action with the vehicle master power switch in OFF position. Damage could occur to TWGSS or tank or personnel could be injured if cables are connected or disconnected with master power switched on.

BIT INITIALIZATION

- **Automatic BIT at power up**
- **Before and after simulation**
- **Manual initialization**

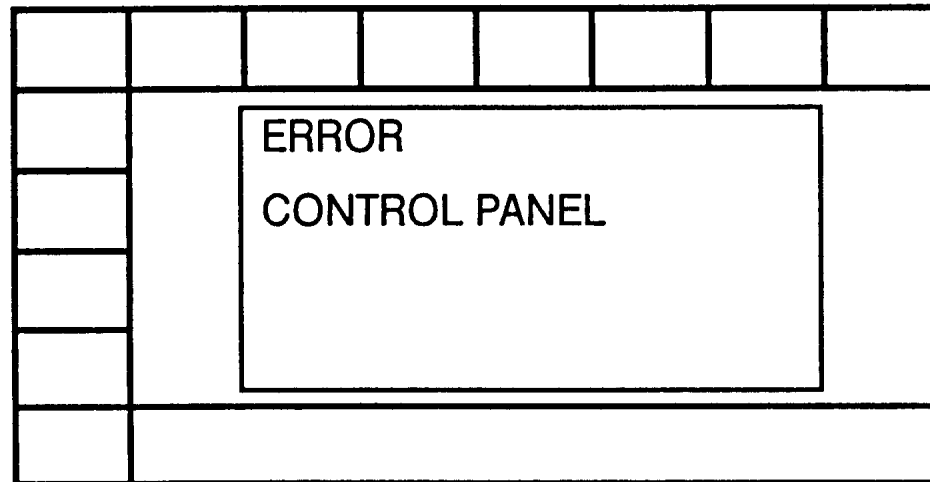
ERROR INFORMATION

- **NO CONNECTION X UNIT**



ERROR INFORMATION

- **ERROR X UNIT**



ERROR PRESENTATION

- **Intercom announcement**
- **Pop-up screen on control panel**
- **Error list**
- **TDRS memory card**

ERRORS NOT COVERED BY BIT

- **Transceiver unit output**
- **System accuracy**
- **Tank interface**

LED INDICATIONS

- **Vehicle interface unit**
- **Target computer unit**
- **TBOS driver unit**
- **TBOS video mixer unit**
- **Remote system interface (RSI) unit**

Notes:

- 1. Blinking light indicates power applied OK.**
- 2. TBOS units only indicate during operation of TWGSS.**

SUMMARY

- **Troubleshooting procedures**
- **BIT initialization and failure information**
- **Practical troubleshooting**

CLOSING STATEMENT

- **This block of instruction has prepared you to understand troubleshooting procedures used with TWGSS.**